

Accuracy
Reliability
Simplicity

ULTRAMETER™

The Myron L Company, for more than 35 years, has designed and manufactured highly reliable analytical instruments for a wide variety of applications. Demanding uses range from boiler water testing to ultrapure water controls.

While priced like affordable single-parameter instruments, the ULTRAMETER™ does the job of three, four or even six instruments.



Model 6P

Applications:

- Boilers
- Cooling Towers
- Reverse Osmosis
- Plating & Parts Washing
- Fountain Solutions for Printing
- Irrigation Water
- Hydroponics
- Process Verification
- Deionization
- Environmental
- Laboratories
- Pharmaceutical

MODELS

- **3P** - pH, ORP and Temperature
- **4P** - Conductivity, TDS, Resistivity and Temperature
- **6P** - Conductivity, TDS, Resistivity, pH, ORP and Temperature

ULTRAMETER™ Pricing

Models	Accessories
3P	PKU - Hard Protective Case & Solutions
4P	UCC - Soft Protective Case
6P	RPR - Replacement pH/ORP Sensor Solutions - (NIST Traceable)
	SSQ - pH Sensor Storage Solution
	SSG -

Accuracy You Can Trust

All ULTRAMETER™ models deliver performance of $\pm 1\%$ of reading. This high level of accuracy has been achieved through advanced four-electrode conductivity cell technology, a unique pH/ORP sensor and powerful microprocessor-based circuitry. Allowing readings up to 200mS/200ppt, the four-digit LCD ensures resolution levels never before possible in such affordable instruments.

Factory calibrated with NIST traceable solutions, each ULTRAMETER™ can be supplied with both certification of traceability and NIST traceable solutions for definitive calibration.

Simplicity Through Engineering

The ULTRAMETER™ is a prime example of how high-tech engineering can greatly simplify and streamline a task. Whether in the lab, industrial plant, or in a remote field location, merely:

1. Fill the cell cup
2. Push a parameter key
3. Take the reading

All ULTRAMETER™ models are waterproof to three feet/one meter. The ULTRAMETER™ is a true one-handed operation instrument.

Easy to Calibrate



Model 3P



All calibrations are quickly accomplished by pressing the up or down keys to agree with our NIST standard solution. When calibration is necessary, display prompts simplify pH calibration and make sure the correct buffer is being used.

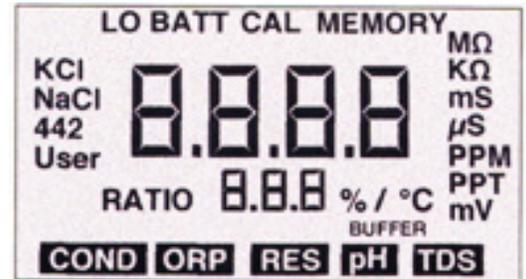
Plus, all parameters (excluding temperature, which is factory set) have an internal electronic setting which can be used for field calibration and as a check on pH/ORP sensor life.

Other Advanced Features

- Memory which easily stores and recalls up to 20 readings
- Fully automatic temperature compensation
- User adjustable temperature compensation (0 to 9.99% per degree C) which also allows TC to be disabled for those applications requiring non-compensated readings.
- User adjustable conductivity/TDS conversion ratio.
- Auto shut-off feature and low power consumption extends the life of the 9V battery to more than 100 hours/5000 tests
- Non-volatile microprocessor provides data back-up, even when the battery is changed
- Extended life pH/ORP sensor is user replaceable in the field



Model 4P



ULTRAMETERs feature a custom LCD with annunciators and prompts to simplify calibrations and indicate conditions such as overrange and low battery.



ULTRAMETERs are IP67/NEMA 6 rated and can be fully immersed to 3 feet/1meter. Lightweight (only 13.5 oz/383g), they also float!

The pH/ORP sensor chamber protects the unique liquid junction. The large capacity KCl reservoir guarantees extended life. It is user-replaceable.

All ULTRAMETER™ electrodes are built-in for maximum protection. The advanced four-electrode cell for

conductivity/resistivity/TDS eliminates polarization for greater accuracy, stability, and minimal maintenance.

ULTRAMETER™ Specifications

ULTRAMETER™ Models >	3P	4P	6P
Parameters >	pH/ORP Temperature	Conductivity/TDS Resistivity/Temp	Conductivity/Resistivity/TDS pH/ORP/Temp
Features:			
Autoranging		x	x
Adjustable Temp. Comp.		x	x
Adjustable Cond/TDS ratio		x	x
Memory (20 readings)	x	x	x
Calibration Prompts	x		x
Low Battery Indicator	x	x	x
Auto-off	x	x	x

General Specifications (all models)

Display	4 Digit LCD
Dimensions (LxWxH)	7.7 x 2.7 x 2.5 in. 196 x 68 x 64 mm
Weight	13.5 oz/383g
Case/Conductivity Cell Material	VALOX*
Cell Capacities	pH/ORP: 0.04oz/1.2ml Cond/TDS/Res: 0.2oz/5.0ml
Power	Alkaline 9-volt Battery
Battery Life	>100 Hours/5000 Tests
Operating/Storage Temperature	14-132°F/-10-55°C
Protection Ratings	IP67/NEMA 6 (waterproof to 3ft/1 meter)

Accessories:

- pH Buffers
- Standard Solution
- Replacement pH/ORP Sensor
- Soft Protective Case
- Hard Protective Case & Solutions

*™General Electric

Parameter Specifications

	pH	ORP	Conductivity	TDS	Resistivity	Temperature

Ranges	0-14pH	±999mV	0-9999µS 10-200mS in 5 autoranges	0-9999ppm 10-200ppt in 5 autoranges	10KΩ 30MΩ	0-71°C 32-160°F
Resolution	0.01pH	±1mV	0.01(<100µS) 0.1(<1000µS) 1.0(>1000µS)	0.01(<100ppm) 0.1(<1000ppm) 1.0(>1000ppm)	0.01(<100KΩ) 0.1(<1000KΩ) 0.01(>1MΩ)	0.1°C/F
Accuracy	±0.01 pH	±1mV	±1% of reading***	±1% of reading***	±1% of reading**	±0.1°C
Auto Temp Compensation	0-71°C 32-160°F	none	0-71°C 32-160°F	0-71°C 32-160°F	0-71°C 32-160°F	
Adjustable Temp Compensation			0-9.99%/°C	0-9.99%/°C	0-9.99%/°C	
Cond/TDS Ratios Preprogrammed			KCl, 442*, NaCl			
Adjustable Cond/TDS Ratio Factor			0.20-7.99			

*442 Natural Water Standard™ Myron L Company

** 10KΩ – 10MΩ

*** up to 100mS/ppt; 100-200mS/ppt: ±1-2%

Accessories

[Conductivity Standard Solutions](#) are necessary for periodic calibration of conductivity/TDS parameters to maintain accuracy. All are NIST traceable for your complete confidence.

Recommended Values:

KCl - 7000 (7 mS) for Conductivity

442 - 3000 for TDS

NaCl-14.0 mS (7864 ppm) for Conductivity/TDS/NaCl

[*Other Solutions Available](#)



